

RECP Best Practices Catalogue

*Optimising Water Consumption: Dosing System
and Water Control at Fullers level*

Developed within the framework of MED TEST II



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Best Practice - Optimising Water Consumption: Dosing System and Water Control at Fullers level

SECTOR:	Leather
Branch:	Tanning and dressing of leather
CATEGORY	Good Housekeeping
APPLICABILITY	Utilities

COMPANY SIZE	60 Full-time Employees
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TEST Training kit

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Description of the Problem (Base Scenario):

- Water consumption in tannery production is not measured
- Waste and over-consumption are not measured
- Leaks are not identified

Description of the Solution:



With the installation of sub meters, the main objective is to be able to identify and thus measure the consumption of the main water consuming functions, for example:

- The main supply for the entire company.
- Boiler water supply.
- Domestic use (showering, drinking...).
- Production facilities (machines, production lines, etc.).

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Economic Gains 2% gains with regards to the company's water consumption. Which amounts to a € 2,250 gain.

Environmental Gains This operation also enables a 2% reduction in the amount of water used and discharged into the sewage system, which amounts to 445.6 m³/year.

Health and Safety Impact None



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Capital Investments & Financial Indicators	We can expect about € 800/meter, which gives us an investment for the company of: Number of meters = $5 \times € 800/\text{meter} = € 4,000$. Time for Return on Investment: 1.8 year
Supplier Information	Local
Other Aspects	none
Implementation	The company has already installed 5 sub meters.



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